

APPENDIX II
CLEAN VERSION OF THE ENTIRE SET OF PENDING CLAIMS
PURSUANT TO 37 CFR § 1.121 (c)(3)

1. A composition, comprising:
 - i) a solid matrix having porosity that is substantially free of solvent comprising a mixture of;
 - a) at least one polymer, wherein said polymer is selected from the group consisting of poly(L-lactic acid), poly(D,L-lactic acid-co-glycolic acid (PLGA) and poly(methyl methacrylate); and
 - b) at least one inorganic compound wherein said inorganic compound is selected from the group consisting of hydroxyapatite and calcium phosphate.
2. The composition of Claim 1, wherein said porosity is greater than approximately 85%.
3. The composition of Claim 1, wherein said porosity is greater than approximately 90%.
4. The composition of Claim 1, wherein said porosity is greater than approximately 95%.
5. The composition of Claim 1, further comprising a simulated body fluid contacting said matrix.
6. A composition, comprising:
 - a) a three dimensional structure formed by a solid matrix having a porosity; and
 - b) a simulated body fluid contacting said structure, wherein said matrix comprises a mixture of;
 - i) at least one polymer, wherein said polymer is selected from the group consisting of poly(L-lactic acid), poly(D,L-lactic acid-co-glycolic acid (PLGA) and poly(methyl methacrylate); and

- ii) at least one inorganic compound wherein said inorganic compound is selected from the group consisting of hydroxyapatite and calcium phosphate.
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- 7. The composition of Claim 6, further comprising c) one or more living cells contacting said matrix.
 - 8. The composition of Claim 6, wherein said one or more cells are selected from the group consisting of osteoblast, fibroblasts, and epithelial.
 - 9. The composition of Claim 6, wherein said porosity is greater than approximately 85%.
 - 10. The composition of Claim 6, wherein said porosity is greater than approximately 90%.
 - 11. The composition of Claim 6, wherein said porosity is greater than approximately 95%.
 - 12. The composition of Claim 6, wherein said matrix is biodegradable.
 - 13. The composition of Claim 1, wherein said porosity is greater than approximately 80%.
 - 14. The composition of Claim 6, wherein said porosity is greater than approximately 80%.
 - 15. A solid matrix having a porosity comprising a mixture of hydroxyapatite and at least one polymer in a ratio, wherein said polymer is selected from the group consisting of poly(L-lactic acid), poly(D,L-lactic acid-co-glycolide acid (PLGA)), and poly(methyl methacrylate), wherein said ratio is between 90:10 and 10:90.
 - 16. The solid matrix of Claim 15, wherein said ratio is 70:30.
 - 17. The solid matrix of Claim 15, wherein said ratio is 30:70.

18. The solid matrix of Claim 15, wherein said porosity is greater than approximately 80%.
19. The solid matrix of Claim 15, wherein said porosity is greater than approximately 85%.
20. The solid matrix of Claim 15, wherein said porosity is greater than approximately 90%.
21. The solid matrix of Claim 15, wherein said porosity is greater than approximately 95%.
22. The solid matrix of Claim 15, wherein said matrix is biodegradable.
23. A mixture comprising poly(L-lactic acid), hydroxyapatite and a solvent, wherein said poly(L-lactic acid) and said hydroxyapatite are in a ratio of approximately 1:1 by weight.